

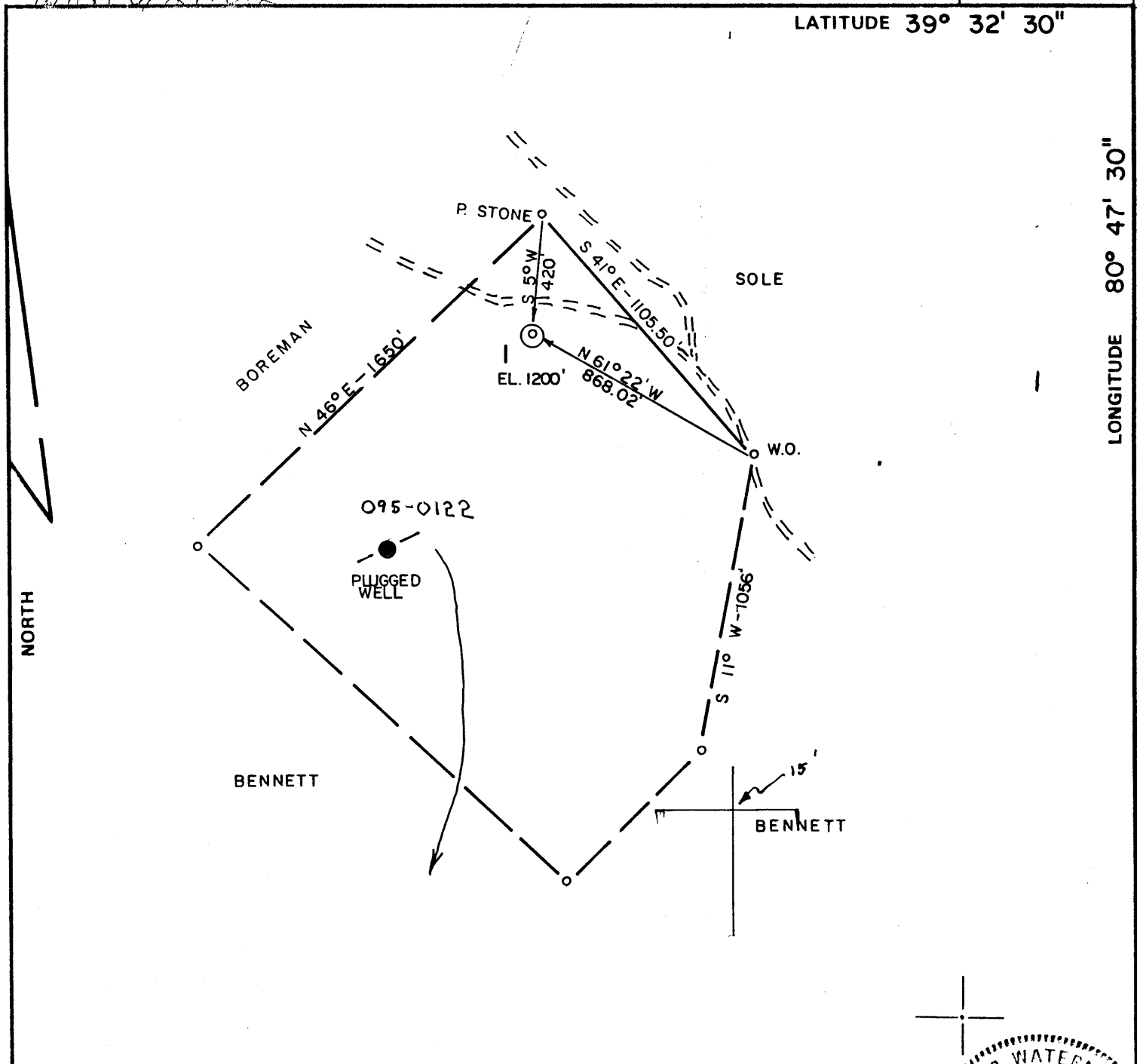
M.A. 6/29/82

← 2400' WEST

LATITUDE 39° 32' 30"

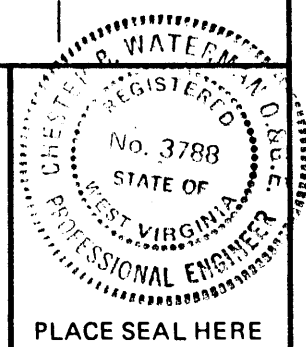
LONGITUDE 80° 47' 30"

14,060' SOUTH



FILE NO. 82-132
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION ROAD INTER - SECTION (1207')

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Chet Waterman
 R.P.E. 3788 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 4/8, 1982
 OPERATOR'S WELL NO. _____
 API WELL NO. 47 - 095 - 0997
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1200 WATER SHED MUDDY CREEK
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE PORTERS FALLS 7.5
 SURFACE OWNER M. NICHOLS & B. CUNNINGHAM ET. AL. ACREAGE 58
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 58
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN BENSON ESTIMATED DEPTH 5500'
 WELL OPERATOR RIMROCK PRODN. CORP. DESIGNATED AGENT ROBERT L. MURDOCK
 ADDRESS 4424 "B" EMERSON AVE. ADDRESS SAME
PARKERSBURG, WV 26104

23 1988

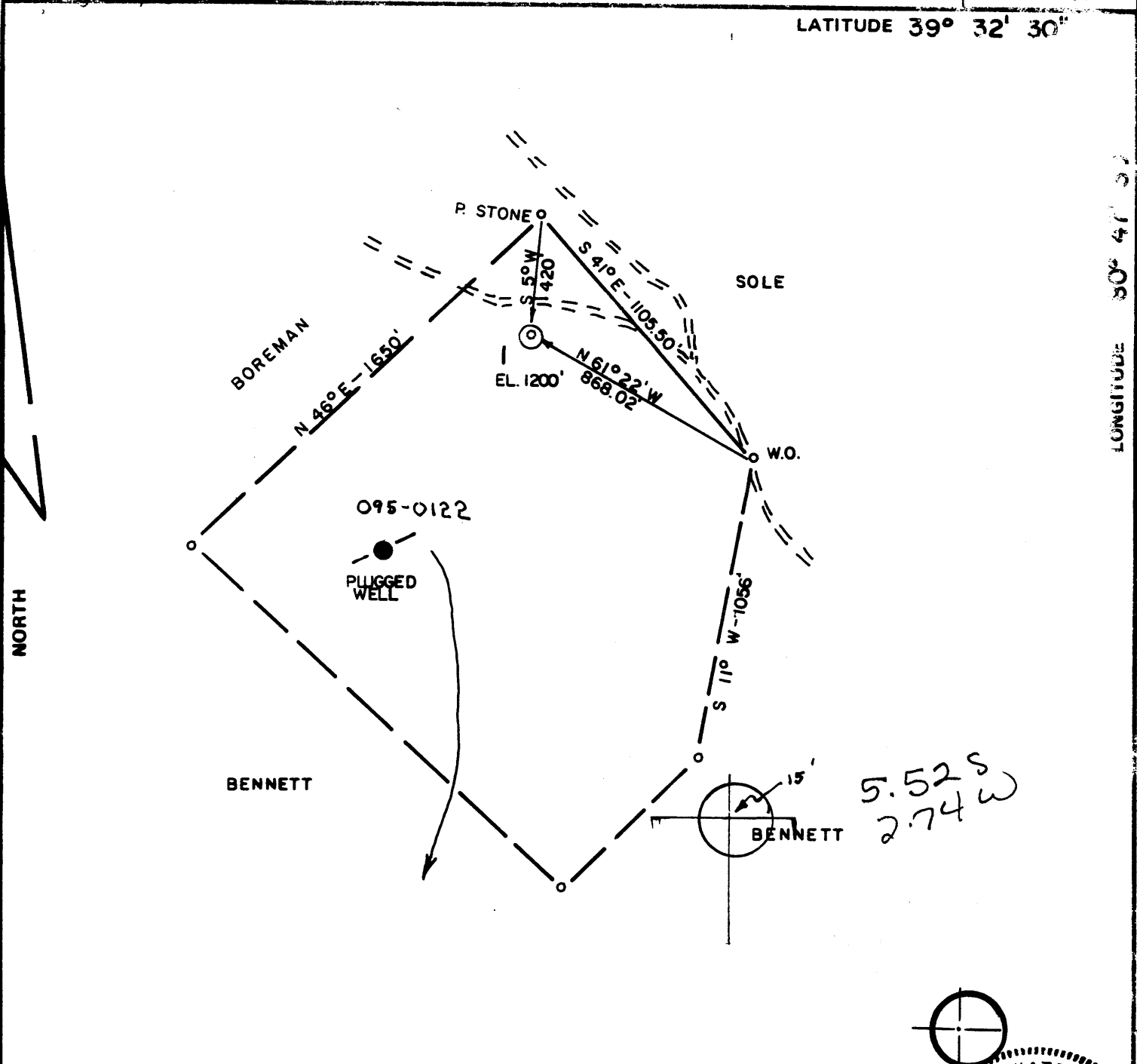
6/24/82

2403

LATITUDE 39° 32' 30"

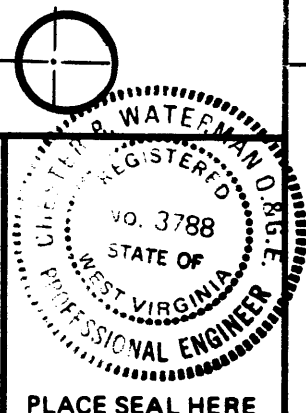
LONGITUDE 80° 41' 30"

14,060' SOUTH



FILE NO. 82-132
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1'/200'
 PROVEN SOURCE OF ELEVATION ROAD INTER-SECTION (1207')

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Chas. Waterman
 R.P.E. 3788 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 4/8 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-095-0997
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1200 WATER SHED MUDDY CREEK
 DISTRICT ELLSWORTH COUNTY TYLER
 QUADRANGLE PORTERS FALLS 7.5 New Martinsville 15'SE
 SURFACE OWNER M. NICHOLS & B. CUNNINGHAM ET AL. ACREAGE 58
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 58
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN BENSON ESTIMATED DEPTH 5500'
 WELL OPERATOR RIMROCK PRODN. CORP. DESIGNATED AGENT ROBERT L. MURDOCK
 ADDRESS 4424 S. EMERSON AVE. ADDRESS SAME
PARKERSBURG, WV

JUL 06 1982



Date: Jan 8 1982
Operator's Well No. Nichols/Cunningham #1
API Well No. 47 095 0997

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

State County Permit

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow)

LOCATION: Elevation: 1200 Watershed: Muddy Creek
District: Ellsworth County: Tyler Quadrangle: Porters Falls 7.5

WELL OPERATOR Limrock Production Corp. DESIGNATED AGENT Robert L. Murdock
Address 4424 B. Emerson Ave. Address 4424 "B" Emerson Ave.
Parkersburg, W.Va. 26104 Parkersburg, W.Va. 26104

OIL & GAS ROYALTY OWNER Betty Clifford Cunningham et al
Address 208 1/2 McKim St.
St. Mary's W.Va. 26170
Acreage 58

COAL OPERATOR none
Address

SURFACE OWNER Clifford Cunningham et al.
Address 208 1/2 McKim St.
St. Mary's W.Va. 26170
Acreage 58

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name none **RECEIVED**
Address JUN 22 1982
Name OIL AND GAS DIVISION WV DEPARTMENT OF MINES
Address

FIELD SALE (IF MADE) TO:
Address unknown

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Lowther
Address Middlebourne W.Va.

COAL LESSEE WITH DECLARATION ON RECORD:
Name none
Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X other contract / dated Sept 16, 1981, to the undersigned well operator from

(If said deed, lease, or other contract has been recorded:)
Recorded on Jan 8, 1982, in the office of the Clerk of the County Commission of Tyler County, West Va., in Deed Book 836 at page 489. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Limrock Production Corp.
Well Operator
By Alison Crane
Its Agent

(12-81)

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) unknown

Address _____

GEOLOGICAL TARGET FORMATION, Marcellus Shale

Estimated depth of completed well, 5900 feet Rotary X / Cable tools 1

Approximate water strata depths: Fresh, 200 feet; salt, 0 feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes 1 / No 0 /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	1 13/16	ew	45	X		250	250	CTS	Kinds
Fresh Water	8 5/8	ew	23	X		2100	2100	350 sks.	Baker
Coal									Sizes 4 1/2
Intermediate									
Production	4 1/2	erw	10.5	X		0	5900	750 sks	Depths set 4500
Tubing	2 3/8	ew	4.7	X		0	4500	0	
Liners									Perforations: EST. DEPTH
									Top 3000 Bottom 5800

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 3-1-83, BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined the proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____